

EUROPEAN PHARMACOPOEIA COMMISSION

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GROUP COM

(EUROPEAN PHARMACOPOEIA COMMISSION)

Terms of Reference and Profile for Experts

Compilation of all Groups of Experts and Working Parties
July 2022

Review of "Terms of reference and profile for members of groups of experts and working parties"
document in preparation of the (re)appointment of all GoE and WP

Change introduced in the R4 version compared to the R3 version: ToR of a new working party added: mRNA Vaccines Working Party (mRNA Vaccines for human use)

Distribution

For action :

COM European Pharmacopoeia Commission

For information :

ANP National Pharmacopoeia Authorities
PRES Praesidium

1 NOTE ON THE TEXT:

2 Main changes introduced in the R1 version compared to the previous version:

- 3 • Editorial update (e.g. Method replaced by (Analytical) procedure)
- 4 • New ToR added for AQbD working party
- 5 • ToR of BACT, CST, CTP, GTP WP updated
- 6 • ToR of BET WP revised to integrate the MAT specialist profile into the general profile for
- 7 experts of the BET WP
- 8 • LEC WP, PA WP put dormant.

9 Change introduced in the R2 version compared to the R1 version:

- 10 • ToR of the ROP WP updated

11 Change introduced in the R3 version compared to the R2 version:

- 12 • ToR of a new working party added: EXS Working Party (Excipient Strategy) – *see also agenda*
- 13 *item 6.6.2.*

14 Change introduced in the R4 version compared to the R3 version:

- 15 • ToR of a new working party added: mRNAVAC Working Party (mRNA Vaccines for human
- 16 use)

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19 TERMS OF REFERENCE AND PROFILE FOR MEMBERS OF

20 GROUPS OF EXPERTS AND WORKING PARTIES

21

22 *The terms of reference and profiles shown below have been drafted by the Presidium to aid national*
 23 *authorities when making proposals for appointment. In addition to the profile described, national*
 24 *authorities should also ensure that the experts proposed are available to attend meetings and are*
 25 *prepared to draft and/or verify monographs and general chapters and when required in the profile,*
 26 *have access to a laboratory for experimental verifications.*

27 *Each group of experts and working party will advise the Commission and other groups of experts and*
 28 *working parties where relevant, according to their expertise and contribute to the maintenance of the*
 29 *relevant technical guide where appropriate.*

30 *The chairs of the following groups are members of the PCM working party: Groups 6, 7, 9, 10A/B/C/D,*
 31 *11, 13H, 14, 17, P4 and MG WP. The chairs of the other groups of experts and working parties may be*
 32 *invited on an ad hoc basis, depending on the agenda. The Chair of the Ph. Eur. Commission is chairing*
 33 *the PCM and ROP working parties.*

34 *In the context of this document, the term “regulatory authority” encompasses OMCLs, licensing*
 35 *authorities, NPAs and/or inspectorates.*

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21

22 Group of Experts No. 1 (Microbiology)

23 *Terms of reference*

- 24 • Drafting and revision of general chapters in the field of microbiology
- 25 • Advising the Commission on questions related to microbiological quality, including quality
- 26 attributes in monographs drafted by other groups of experts and working parties
- 27 • International harmonisation of general chapters in the field of microbiology
- 28 • Drafting and revision of general chapters in the field of alternative microbiological methods
- 29 (the so called “rapid methods”)
- 30 • Assessment of proposed examples in view of their inclusion in document: “*Examples of*
- 31 *validation protocols for alternative microbiological methods according to chapter 5.1.6*”, to be
- 32 published on the EDQM website.

33 *Profile for experts*

- 34 • Current expertise in microbiological analytical methods, related to quality control of active
- 35 substances, excipients and medicinal products and in development of control methods
- 36 • Several years of experience in one or more of the following fields
 - 37 ○ Microbiological quality control in a pharmaceutical manufacturing setting, in a hospital
 - 38 environment or in an independent testing laboratory
 - 39 ○ Market surveillance of microbiological quality in a regulatory authority
 - 40 ○ Assessment of the relevant parts of applications for marketing authorisation
 - 41 ○ Development of microbiological control methods in a research and development
 - 42 environment

1 *Profile for ad-hoc specialists on alternative microbiological methods (please indicate this field of*
2 *expertise on the nomination form, if applicable)*

- 3 • Current expertise in microbiological analytical methods, related to quality control of active
4 substances, excipients and medicinal products and in development of control methods
- 5 • Several years of experience in one or more of the following fields:
 - 6 ○ Validation of alternative microbiological methods in a pharmaceutical manufacturing
7 setting, in a hospital environment or in an independent testing laboratory
 - 8 ○ Market surveillance of microbiological quality in a regulatory authority using
9 alternative microbiological methods
 - 10 ○ Assessment of the relevant parts of applications for marketing authorisation
 - 11 ○ Development of alternative microbiological control methods in a research and
12 development environment

13 **Group of Experts No. 6 (Biological and Biotechnological products)**

14 *Terms of reference*

- 15 • Drafting and revision of texts in the field of biological products, biotechnological products,
16 including glycoproteins, and synthetic peptides
- 17 • International harmonisation of general chapters in the field of biological products

18 *Profile for experts*

- 19 • Current expertise in quality control of biological products, biotechnological products (including
20 glycoproteins), peptides
- 21 • Access to laboratory facilities for verification and validation of analytical procedures proposed
22 for inclusion in monographs, **Essential:** Active involvement in laboratory verification of
23 analytical procedures and drafting of texts
- 24 • Several years of experience in one or more of the following fields:
 - 25 ○ Quality control of biological products, biotechnological products, including
26 glycoproteins or of peptides in a pharmaceutical manufacturing setting
 - 27 ○ Quality control in a regulatory authority
 - 28 ○ Quality control of biological or biotechnological products, including glycoproteins, or
29 of peptides in an independent testing laboratory
 - 30 ○ Development of analytical procedures for control of biological or biotechnological
31 products, including glycoproteins or of peptides in a research and development
32 environment
 - 33 ○ Analytical procedure development and verification in a regulatory authority
 - 34 ○ Assessment of the relevant parts of application for marketing authorisation of
35 biological and biotechnological products within a medicines agency

36 **Group of Experts No. 6B (Human Plasma and Plasma Products)**

37 *Terms of reference*

- 38 • Drafting and revision of texts in the field of blood products

39 *Profile for experts*

- 40 • Current expertise in the field of blood products, notably related to their quality control and
41 development of analytical procedures for control of these products

- 1 • Access to laboratory facilities for verification and validation of analytical procedures proposed
2 for inclusion in monographs, **Essential:** Active involvement in laboratory verification of
3 analytical procedures and drafting of texts
- 4 • Several years of experience in one or more of the following fields:
- 5 ○ Quality control of blood products in a pharmaceutical or bulk manufacturing setting
6 ○ Batch release or market surveillance of Human Blood, Plasma and Plasma Products in
7 a regulatory authority
8 ○ Assessment of the relevant parts of applications for marketing authorisation within a
9 medicines agency
10 ○ Quality control of blood products in an independent testing laboratory
11 ○ Analytical procedure development and verification in a regulatory authority
12 ○ Development of analytical procedures for control of Human Plasma and Plasma
13 Products in a research and development environment

14 **Group of Experts No. 7 (Antibiotics)**

15 *Terms of reference*

- 16 • Drafting and revision of texts in the field of antibiotic active substances
17 • Provision of expertise in the field of antibiotics to Group 17 where relevant

18 *Profile for experts*

- 19 • Current expertise in the fields of antibiotics
- 20 • Access to laboratory facilities for verification and validation of analytical procedures proposed
21 for inclusion in monographs, **Essential:** Active involvement in laboratory verification of
22 analytical procedures and drafting of texts
- 23 • Several years of experience in one or more of the following fields:
- 24 ○ Quality control of antibiotics in a pharmaceutical manufacturing setting
25 ○ Quality control of antibiotics in a bulk manufacturing setting
26 ○ Quality control of antibiotics in a regulatory authority
27 ○ Assessment of the relevant parts of applications for marketing authorisation within a
28 medicines agency
29 ○ Quality control of antibiotics in an independent testing laboratory
30 ○ Development of analytical procedures for control of antibiotics in a research and
31 development environment
32 ○ Analytical procedure development and verification in a regulatory authority

33 **Group of experts No. 9 (Inorganic Chemistry)**

34 *Terms of reference*

- 35 • Drafting and revision of monographs in the field of inorganic substances
36 • International harmonisation of monographs

37 *Profile for experts*

- 38 • Current expertise in pharmaceutical analytical procedures, related to quality control of
39 inorganic substances and in development of such analytical procedures
- 40 • Access to laboratory facilities for verification and validation of analytical procedures proposed
41 for inclusion in monographs, for example ICP and/or AAS. **Essential:** Active involvement in
42 laboratory verification of analytical procedures and drafting of texts.

- 1 • Several years of experience in one or more of the following fields:
 - 2 ○ Quality control of inorganic substances in a pharmaceutical or bulk manufacturing
 - 3 setting
 - 4 ○ Market surveillance of quality in a regulatory authority
 - 5 ○ Pharmaceutical quality control in an independent testing laboratory
 - 6 ○ Development of analytical procedures for control of inorganic substances in a research
 - 7 and development environment
 - 8 ○ Analytical procedure development and verification in a regulatory authority

9 **Group of Experts No. 9G (Medicinal Gases)**

10 *Terms of reference*

- 11 • Drafting and revision of texts in the field of medicinal gases

12 *Profile for experts*

- 13 • Current expertise in the field of medicinal gases
- 14 • Access to laboratory facilities for verification and validation of analytical procedures proposed
- 15 for inclusion in monographs, **Essential:** Active involvement in laboratory verification of
- 16 analytical procedures and drafting of texts
- 17 • Several years of experience in one or more of the following fields:
 - 18 ○ Quality control of medicinal gases in a pharmaceutical manufacturing, hospital or
 - 19 industrial setting
 - 20 ○ Quality control in a regulatory authority
 - 21 ○ Development of analytical procedures for control of medicinal gases in a research and
 - 22 development environment

23 **Group of Experts No. 10A/B/C/D (Organic chemistry – synthetic and semi-synthetic substances)**

24 *Terms of reference*

- 25 • Drafting and revision of monographs in the field of synthetic and semi-synthetic organic
- 26 substances
- 27 • If needed, provide expertise in the field of organic chemistry to Group 17

28 *Profile for experts*

- 29 • Current expertise in pharmaceutical analytical procedures, related to quality control of
- 30 synthetic and semi-synthetic organic substances and in development of such analytical
- 31 procedures
- 32 • Access to laboratory facilities for verification and validation of analytical procedures proposed
- 33 for inclusion in monographs, **Essential:** Active involvement in laboratory verification of
- 34 analytical procedures and drafting of texts.
- 35 • Several years of experience in one or more of the following fields:
 - 36 ○ Quality control in a pharmaceutical manufacturing setting
 - 37 ○ Quality control of synthetic and semi-synthetic organic products in a bulk
 - 38 manufacturing setting
 - 39 ○ Market surveillance of quality in a regulatory authority
 - 40 ○ Pharmaceutical quality control of synthetic and semi-synthetic organic substances, in
 - 41 an independent testing laboratory
 - 42 ○ Development of analytical procedures for control of synthetic and semi-synthetic
 - 43 organic substances in a research and development environment

- 1 ○ Group 10D: development of analytical procedures for amino-acids
- 2 ○ Analytical procedure development and verification in a regulatory authority

3 **Group of Experts No. 11 (Organic chemistry – natural, semi-synthetic and synthetic substances)**

4 *Terms of reference*

- 5 • Drafting and revision of monographs in the field of natural, semi-synthetic and synthetic
- 6 organic substances
- 7 • Provision of expertise in the field of organic chemistry to the Group 17 where relevant

8 *Profile for experts*

- 9 • Current expertise in pharmaceutical analytical procedures, related to quality control of
- 10 natural, semi-synthetic and synthetic organic substances, and in development of such
- 11 analytical procedures
- 12 • Access to laboratory facilities for verification and validation of analytical procedures proposed
- 13 for inclusion in monographs, **Essential:** Active involvement in laboratory verification of
- 14 analytical procedures and drafting of texts.
- 15 • Several years of experience in one or more of the following fields:
- 16 ○ Quality control in a pharmaceutical manufacturing setting
- 17 ○ Quality control of natural, semi-synthetic and synthetic organic substances in a bulk
- 18 manufacturing setting
- 19 ○ Market surveillance of quality in a regulatory authority
- 20 ○ Pharmaceutical quality control in an independent testing laboratory
- 21 ○ Development of analytical procedures for control of natural, semi-synthetic and
- 22 synthetic organic substances in a research and development environment
- 23 ○ Analytical procedure development and verification in a regulatory authority

24 **Group of Experts No. 12 (Dosage forms and pharmaceutical technical procedures)**

25 *Terms of reference*

- 26 • Drafting and revision of dosage form monographs and pharmaceutical technical procedures
- 27 • Maintenance of dosage form related International Harmonisation topics such as:
- 28 ○ uniformity of dosage units
- 29 ○ dissolution
- 30 ○ disintegration
- 31 • Particulate contamination: visible and sub-visible particles
- 32 • Provision of expertise in the field of pharmaceutical technology to other groups where relevant

33 *Profile for experts*

- 34 • Current expertise in pharmaceutical development and analytical procedures used for in-
- 35 process control and end product testing of pharmaceutical preparations, in the relevant
- 36 specialities defined in the terms of reference
- 37 • Several years of experience in one or more of the following fields:
- 38 ○ Development and quality control of pharmaceutical preparations in an industrial
- 39 setting
- 40 ○ Assessment of the relevant parts of applications for marketing authorisation within a
- 41 medicines agency

- 1 ○ Development of analytical procedures for testing of pharmaceutical preparations in a
- 2 research and development environment
- 3 ○ Analytical procedure development and verification in a regulatory authority

4 **Group of Experts No. 13A/B (Herbal Drugs and Herbal Drug Preparations)**

5 *Terms of reference*

- 6 • Drafting and revision of texts in the field of herbal drugs and herbal drug preparations

7 *Profile for experts*

- 8 • Current expertise in pharmaceutical analytical procedures, related to quality control of herbal
- 9 drugs and herbal drug preparations and in development of such analytical procedures
- 10 • Access to laboratory facilities for verification and validation of analytical procedures proposed
- 11 for inclusion in monographs, **Essential:** Active involvement in laboratory verification of
- 12 analytical procedures and drafting of texts.
- 13 • Several years of experience in one or more of the following fields:
- 14 ○ Quality control of herbal drugs and herbal drug preparations in a pharmaceutical
- 15 manufacturing or bulk manufacturing setting
- 16 ○ Market surveillance of quality of herbals in a regulatory authority
- 17 ○ Assessment of the relevant parts of applications for marketing authorisation of herbal
- 18 medicinal products within a medicines agency
- 19 ○ Pharmaceutical quality control of herbal drugs and herbal drug preparations in an
- 20 independent testing laboratory
- 21 ○ Development of analytical procedures for control of herbal drugs in a research and
- 22 development environment
- 23 ○ Analytical procedure development and verification in a regulatory authority

24 **Group of Experts No. 13H (Fatty oils and derivatives, polymers)**

25 *Terms of reference*

- 26 • Drafting and revision of texts in the field of:
 - 27 ○ surfactants
 - 28 ○ fatty oils, fats and waxes
 - 29 ○ fatty acids, fatty alcohols and their esters/ethers
 - 30 ○ macrogols, macrogol derivatives and other polymers (e.g. carbomers)
 - 31 ○ paraffins
- 32 • International Harmonisation of the relevant monographs

33 *Profile for experts*

- 34 • Current expertise in pharmaceutical analytical procedures, related to quality control in the
- 35 relevant specialities defined in the terms of reference
- 36 • Member of a regulatory authority, universities or the pharmaceutical/chemical industries
- 37 • Access to laboratory facilities for verification and validation of analytical procedures proposed
- 38 for inclusion in monographs, **Essential:** Active involvement in laboratory verification of
- 39 analytical procedures and drafting of texts
- 40 • Several years of experience in one or more of the following fields:
 - 41 ○ Quality control in a pharmaceutical manufacturing setting
 - 42 ○ Quality control of fats etc. in a bulk manufacturing setting

- 1 ○ Market surveillance of quality in a regulatory authority
- 2 ○ Pharmaceutical quality control of fats etc. in an independent testing laboratory
- 3 ○ Development of analytical procedures for control of fats etc. in a research and
- 4 development environment
- 5 ○ Analytical procedure development and verification in a regulatory authority

6 **Group of Experts No. 14 (Radiopharmaceutical Preparations)**

7 *Terms of reference*

- 8 • Drafting and revision of texts in the field of radiopharmaceutical preparations

9 *Profile for experts*

- 10 • Current expertise in pharmaceutical analytical procedures, related to quality control of
- 11 radiopharmaceutical preparations and in development of such analytical procedures
- 12 • Access to laboratory facilities for verification and validation of analytical procedures proposed
- 13 for inclusion in monographs, **Essential:** Active involvement in laboratory verification of
- 14 analytical procedures and drafting of texts
- 15 • Several years of experience in one or more of the following fields:
- 16 ○ Quality control of radiopharmaceutical preparations in a pharmaceutical
- 17 manufacturing setting or in a hospital
- 18 ○ Market surveillance of quality of radiopharmaceutical preparations in a regulatory
- 19 authority
- 20 ○ Assessment of the relevant parts of applications for marketing authorisation within a
- 21 medicines agency
- 22 ○ Pharmaceutical quality control of radiopharmaceutical preparations in an
- 23 independent testing laboratory
- 24 ○ Analytical procedure development and verification in a regulatory authority

25 **Group of Experts No. 15 (Human Vaccines and Sera)**

26 *Terms of reference*

- 27 • Drafting and revision of texts in the field of vaccines and sera for human use
- 28 • Drafting and revision of monographs in the field of botulinum toxins

29 *Profile for experts*

- 30 • Current expertise in analytical procedures, related to quality control of vaccines and sera for
- 31 human use and in development of such analytical procedures
- 32 • Several years of experience in one or more of the following fields:
- 33 ○ Quality control of vaccines and sera for human use in a pharmaceutical manufacturing
- 34 setting
- 35 ○ Batch release and market surveillance of quality of vaccines and sera for human use in
- 36 a regulatory authority
- 37 ○ Assessment of the relevant parts of applications for marketing authorisation within a
- 38 medicines agency
- 39 ○ Quality control of vaccines and sera for human use in an independent testing
- 40 laboratory

1 *Profile for botulinum toxins ad hoc specialists (please indicate this field of expertise on the nomination*
 2 *form, if applicable)*

- 3 • Current expertise in analytical procedures for the control of botulinum toxins and in
 4 development of such analytical procedures
- 5 • Several years of experience in one or more of the following fields:
 - 6 ○ Quality control of botulinum toxins in a pharmaceutical manufacturing setting
 - 7 ○ Batch release or market surveillance of quality of botulinum toxins in a regulatory
 8 authority
 - 9 ○ Assessment of the relevant parts of applications for marketing authorisation within a
 10 medicines agency
 - 11 ○ Pharmaceutical quality control of botulinum toxins in an independent testing
 12 laboratory
 - 13 ○ Development of analytical procedures for control of botulinum toxins in a research
 14 and development environment

15 *Profile for ad hoc specialists on High Throughput Sequencing for the detection of extraneous agents*
 16 *(please indicate this field of expertise on the nomination form, if applicable)*

- 17 • Current expertise in High Throughput Sequencing (HTS) **for the detection of extraneous**
 18 **agents** in biologicals, and in the development and validation of analytical procedures based on
 19 HTS
- 20 • Several years of experience in one or more of the following fields:
 - 21 ○ Use of HTS techniques for quality control of biological products in a pharmaceutical
 22 manufacturing setting, a regulatory authority or an independent testing laboratory
 - 23 ○ Development and validation of analytical procedures based on HTS for the detection
 24 of extraneous agents, in a research and development environment
 - 25 ○ Assessment of the relevant parts of applications for marketing authorisation within a
 26 medicines agency

27 **Group of Experts No. 15V (Veterinary Vaccines and Sera)**

28 *Terms of reference*

- 29 • Drafting and revision of texts in the field of immunological veterinary medicinal products
 30 (IVMP)

31 *Profile for experts*

- 32 • Current expertise in suitable standards for IVMP, in analytical procedures related to quality
 33 control of these products and in development of such analytical procedures
- 34 • Several years of experience in one or more of the following fields:
 - 35 ○ Quality control of IVMP in a regulatory authority
 - 36 ○ Assessment of the relevant parts of applications for marketing authorisation within a
 37 medicines agency
 - 38 ○ Batch release and market surveillance of quality in a regulatory authority
 - 39 ○ Development of analytical procedures for control of IVMP in a research and
 40 development environment
- 41 • Industry representatives are normally not appointed to Group of Experts No. 15V. They may
 42 be invited to contribute to elaboration of texts during hearings organised on a case-by-case
 43 basis by the Secretariat.

44

1 **Group of Experts No. 16 (Plastic materials, plastic containers and closures)**

2 *Terms of reference*

- 3 • Drafting and revision of texts in the field of plastic materials, plastic containers and closures

4 *Profile for experts*

- 5 • Current expertise in the fields covered by the terms of reference
- 6 • Access to laboratory facilities for verification and validation of analytical procedures proposed
- 7 for inclusion in texts, **Essential:** Active involvement in laboratory verification of analytical
- 8 procedures and drafting of texts
- 9 • Several years of experience in one or more of the following fields:
- 10 ○ Quality control of plastic materials, plastic containers and closures
- 11 - in a pharmaceutical manufacturing setting,
- 12 - in a regulatory authority or
- 13 - in an independent testing laboratory
- 14 ○ Assessment of the relevant parts of applications for marketing authorisation within a
- 15 medicines agency
- 16 ○ Analytical procedure development and verification in a regulatory authority

17 **Group of Experts 17 (Medicinal products containing chemically defined active substances)**

18 *Terms of reference*

- 19 • Drafting and revision of monographs on medicinal products containing chemically defined
- 20 active substances
- 21 • Drafting of monographs on active substances contained in these medicinal products if the
- 22 monographs are being elaborated in parallel and if deemed appropriate;
- 23 • Drafting and maintenance of the technical guide for the elaboration of monographs on
- 24 medicinal products containing chemically defined active substances
- 25 • Provision of expertise to other groups (such as Group P4) where relevant

26 *Profile for experts*

- 27 • Current expertise in pharmaceutical analytical procedures, related to quality control of
- 28 medicinal products containing chemically defined active substances and in development of
- 29 such analytical procedures
- 30 • Access to laboratory facilities for verification and validation of analytical procedures proposed
- 31 for inclusion in monographs, **Essential:** Active involvement in laboratory verification of
- 32 analytical procedures and drafting of texts.
- 33 • Several years of experience in one or more of the following fields:
- 34 ○ Development and verification of analytical procedures
- 35 ○ Quality control or development of medicinal products containing chemically defined
- 36 active substances
- 37 ○ Market surveillance testing
- 38 ○ Assessment of the relevant parts of applications for marketing authorisation within a
- 39 medicines agency

40 **Group of Experts P4**

41 *Terms of reference*

- 42 • Drafting and revision of monographs in the field of single-source active substances, excipients
- 43 and medicinal products with chemically defined active substances

1 *Profile for experts*

- 2 • Current expertise in pharmaceutical analytical procedures, related to quality control of active
3 substances, excipients and medicinal products (with chemically defined active substances),
4 and in development of such analytical procedures
- 5 • Access to laboratory facilities for verification and validation of analytical procedures proposed
6 for inclusion in monographs or access to licensing files, **Essential:** Active involvement in
7 laboratory verification of analytical procedures and drafting of texts.
- 8 • Several years of experience in one or more of the following fields:
 - 9 ○ Assessment of the relevant parts of applications for marketing authorisation
 - 10 ○ Market surveillance studies in a regulatory authority
 - 11 ○ Analytical procedure development and verification in a regulatory authority
- 12 • Group P4 is restricted to regulators from Ph. Eur. Member states however industry
13 representatives may be invited to contribute by submission of data and interaction with the
14 group via the Secretariat

15 **ALG Working Party (Allergens)**

16 *Terms of reference*

- 17 • Drafting and revision of texts in the field of allergen products

18 *Profile for experts*

- 19 • Current expertise in pharmaceutical analytical procedures, related to quality control of
20 allergens and in development of such analytical procedures
- 21 • Several years of experience in one or more of the following fields:
 - 22 ○ Quality control of allergen products in a pharmaceutical manufacturing setting
 - 23 ○ Market surveillance of quality of allergen products in a regulatory authority
 - 24 ○ Assessment of the relevant parts of applications for marketing authorisation within a
25 medicines agency
 - 26 ○ Pharmaceutical quality control of allergen products in an independent testing
27 laboratory
 - 28 ○ Development of analytical procedures for control of allergens in a research and
29 development environment

30 **AQbD Working Party (Analytical quality by design)**

31 *Terms of reference*

- 32 • Assess the feasibility and impact of incorporating analytical procedures developed using the
33 concepts of analytical quality by design (aQbD) in Ph. Eur. monographs.
- 34 • Advise the Commission and expert groups on appropriate elaboration/revision strategies for
35 incorporating such analytical procedures in monographs.
- 36 • Identify verification and revision approaches for analytical procedures developed using aQbD.
- 37 • Co-operation and consultation with other groups of experts and working parties in charge of
38 the elaboration and revision of monographs, where relevant.

39 *Profile for experts*

- 40 • Current expertise in the development of analytical procedures for the assessment of the
41 quality of active substances and medicinal products
- 42 • Knowledge of pharmacopoeial monograph development
- 43 • Several years of experience in one or more of the following fields:

- 1 ○ Development, validation and verification of analytical procedures, if possible applying
- 2 aQbD concepts
- 3 ○ Market surveillance testing
- 4 ○ Assessment of the relevant parts of applications for marketing authorisation within a
- 5 medicines agency, if possible with experience of assessing applications that used aQbD
- 6 concept.

7 **BACT Working Party (Bacteriophages)**

8 *Terms of reference*

- 9 • To elaborate the general chapter 'Phage therapy active substances and medicinal products
- 10 for human and veterinary use'.

11 *Profile for experts*

- 12 • Current expertise in analytical procedures related to quality control of bacteriophages and in
- 13 development of such analytical procedures
- 14 • Several years of experience in one or more of the following fields:
- 15 ○ Quality control of bacteriophages in a manufacturing setting
- 16 ○ Preparation and administration of bacteriophages manufactured in a non-industrial
- 17 way but of a quality compatible with clinical use (compassionate access)
- 18 ○ Development of bacteriophages for clinical use
- 19 ○ Analytical procedure development and verification in a regulatory authority

20 **BET Working Party (Bacterial Endotoxin Test)**

21 *Terms of reference*

- 22 • Drafting and revision of general chapters in the field of bacterial endotoxins
- 23 • Advising the Commission and expert groups on appropriate analytical procedures for the
- 24 detection of bacterial endotoxins or pyrogens in substances for pharmaceutical use or
- 25 pharmaceutical preparations.
- 26 • Drafting and revision of general chapters in the field of the monocyte activation tests (MAT)
- 27 • International Harmonisation of the relevant texts

28 *Profile for experts*

- 29 • Current expertise in practical application of the bacterial endotoxin test and/or MAT
- 30 • Several years of experience in one or more of the following fields:
- 31 ○ Quality control of parenteral preparations, active substances and/or excipients in a
- 32 pharmaceutical manufacturing setting
- 33 ○ Market surveillance of quality in a regulatory authority
- 34 ○ Pharmaceutical quality control in an independent testing laboratory
- 35 ○ Development of analytical procedures for bacterial endotoxin testing and/or MAT in a
- 36 research and development environment
- 37 ○ Analytical procedure development and verification in a regulatory authority
- 38 • Access to laboratory facilities for verification and validation of analytical procedures proposed
- 39 for inclusion in monographs

40

1 **BSR Working Party (Bovine serum)**

2 *Terms of reference*

- 3 • Maintenance of the monograph *Bovine serum* (2262)
- 4 • Drafting and revision of other texts pertaining to bovine sera as appropriate

5 *Profile for experts*

- 6 • Current expertise in analytical procedures related to quality control of bovine sera and in
7 development of such analytical procedures
- 8 • Several years of experience in one or more of the following fields:
 - 9 ○ Quality control of bovine serum in a pharmaceutical manufacturing setting
 - 10 ○ Market surveillance of quality in a regulatory authority
 - 11 ○ Assessment of the relevant parts of applications for marketing authorisation within a
12 medicines agency
 - 13 ○ Pharmaceutical quality control in an independent testing laboratory
 - 14 ○ Development of analytical procedures for control of bovine serum in a research and
15 development environment

16 **CE Working Party (Capillary Electrophoresis)**

17 *Terms of reference*

- 18 • Revision of the chapter 2.2.47 *Capillary electrophoresis*
- 19 • Advising the Commission on questions related to capillary electrophoresis in monographs
20 drafted by other groups of experts and working parties
- 21 • International Harmonisation of the relevant texts

22 *Profile for experts*

- 23 • Current expertise in *Capillary electrophoresis* techniques
- 24 • Several years of experience in the following fields:
 - 25 ○ Quality control of active substances, excipients and medicinal products, using capillary
26 electrophoresis techniques, in a pharmaceutical manufacturing setting, in a regulatory
27 authority or in any other testing laboratory
 - 28 ○ Development of analytical procedures using capillary electrophoresis for control of
29 active substances, excipients and medicinal products in a research and development
30 environment or at university
 - 31 ○ Access to laboratory facilities for verification and validation of analytical procedures
32 proposed for inclusion in monographs **Essential**: Active involvement in laboratory
33 verification of analytical procedures and drafting of texts

34 **CEL Working Party (Cellulose)**

35 *Terms of reference*

- 36 • Drafting and revision of monographs on cellulose and cellulose derivatives
- 37 • International harmonisation of monographs on cellulose and cellulose derivatives

38 *Profile for experts*

- 39 • Current expertise in analytical procedures for cellulose and cellulose derivatives and in
40 development of such analytical procedures

- 1 • Access to laboratory facilities for verification and validation of analytical procedures proposed
2 for inclusion in monographs, **Essential:** Active involvement in laboratory verification of
3 analytical procedures and drafting of texts.
- 4 • Several years of experience in one or more of the following fields:
 - 5 ○ Quality control of cellulose and cellulose derivatives in a pharmaceutical or other
6 industrial manufacturing setting
 - 7 ○ Market surveillance of quality of cellulose and cellulose derivatives in a regulatory
8 authority
 - 9 ○ Quality control of cellulose and cellulose derivatives in a regulatory authority
 - 10 ○ Development of analytical procedures for control of cellulose and cellulose derivatives
11 in a research and development environment
 - 12 ○ Analytical procedure development and verification in a regulatory authority

13 **COL Working Party (Colour determination)**

14 *Terms of reference*

- 15 • Drafting and revision of monographs and texts in the field of instrumental determination of
16 colour (PDG item Q-07)
- 17 • Establishing correlation between measurement using Ph. Eur. Chapter 2.2.2 and the
18 tristimulus type instruments

19 *Profile for experts*

20 Several years of experience in one or more of the following fields:

- 21 ○ Users: Expertise in the use of tristimulus-type of colour measuring instruments in the
22 field of pharmaceutical development, quality control of pharmaceuticals, food,
23 cosmetics or drinking water
- 24 ○ Instrument suppliers: Personnel involved in user-support for practical application of
25 tristimulus-type instruments in the field of pharmaceutical development, quality
26 control of pharmaceuticals, food, cosmetics or drinking water
- 27 ○ Experience in research or university teaching related to instrumental colour
28 determination of liquids

29 **CRB Working Party (Carbohydrates)**

30 *Terms of reference*

- 31 • Drafting and revision of monographs in the field of carbohydrates
- 32 • International harmonisation of monographs

33 *Profile for experts*

- 34 • Current expertise in pharmaceutical analytical procedures, related to quality control of
35 carbohydrates and in development of such analytical procedures
- 36 • Access to laboratory facilities for verification and validation of analytical procedures proposed
37 for inclusion in monographs, **Essential:** Active involvement in laboratory verification of
38 analytical procedures and drafting of texts.
- 39 • Several years of experience in one or more of the following fields:
 - 40 ○ Quality control in a pharmaceutical or bulk manufacturing setting
 - 41 ○ Market surveillance of quality in a regulatory authority
 - 42 ○ Pharmaceutical quality control in an independent testing laboratory

- 1 ○ Development of analytical procedures for control of carbohydrates in a research and
- 2 development environment
- 3 ○ Analytical procedure development and verification in a regulatory authority

4 **CST Working Party (Chromatographic separation techniques)**

5 *Terms of reference*

- 6 • Revision of chapters on chromatographic separation (e.g. 2.2.28, 2.2.29, 2.2.30, 2.2.46)
- 7 • Advising the Commission on questions related to chromatographic separation techniques in
- 8 monographs drafted by other groups of experts and working parties
- 9 • Co-operation with other groups of experts and working parties which use chromatographic
- 10 separation techniques where relevant

11 *Profile for experts*

- 12 • Current expertise in chromatographic separation techniques
- 13 • Several years of experience in one or more of the following fields:
 - 14 ○ Chromatographic quality control of active substances and/or excipients in a
 - 15 pharmaceutical manufacturing setting
 - 16 ○ Development of chromatographic analytical procedures for control of active
 - 17 substances, excipients and medicinal products in a research and development
 - 18 environment
 - 19 ○ Market surveillance of quality in a regulatory authority
 - 20 ○ Pharmaceutical quality control in an independent testing laboratory

21 **CTP Working Party (Cell Therapy Products)**

22 *Terms of reference*

- 23 • Drafting and revision of texts in the field of cell-based preparations
- 24 • Maintaining regular exchanges to ensure coordination of approaches with the GTP Working
- 25 Party in relevant areas

26 *Profile for experts*

- 27 • Current expertise in analytical procedures related to the development and quality control of
- 28 cell therapy products and/or tissue-engineered products and/or to the quality control of
- 29 tissues for human use
- 30 • Several years of experience in one or more of the following fields:
 - 31 ○ Development of cell therapy products and/or tissue-engineered products
 - 32 ○ Quality control of cell therapy products and/or tissue-engineered products in a
 - 33 pharmaceutical manufacturing setting or in a hospital environment and/or
 - 34 microbiological control of tissues and organs used for human transplantation
 - 35 ○ Assessment of applications for marketing authorisation of cell therapy and/or tissue-
 - 36 engineered products
 - 37 ○ Market surveillance of the quality of cell therapy products, tissue-engineered products
 - 38 and/or tissues and organs used for human transplantation in a regulatory authority
 - 39 ○ Pharmaceutical quality control in an independent testing laboratory
 - 40 ○ Development of analytical procedures (e.g. microbiological procedures) to control cell
 - 41 therapy products and/or tissue-engineered products and/or tissues and organs used
 - 42 for human transplantation in a research and development environment

1 DIA Working party (Dialysis)*2 Terms of reference*

- 3 • Drafting and revision of texts in the field of preparations for dialysis

4 Profile for experts

- 5 • Current expertise in the field of preparations for dialysis
- 6 • Access to laboratory facilities for verification and validation of analytical procedures proposed
- 7 for inclusion in monographs
- 8 • Several years of experience in one or more of the following fields:
 - 9 ○ Manufacture and/or quality control of preparations for dialysis in a pharmaceutical
 - 10 manufacturing setting or in a hospital
 - 11 ○ Quality control of preparations for dialysis in a regulatory authority
 - 12 ○ Assessment of the relevant parts of applications for marketing authorisation within a
 - 13 medicines agency
 - 14 ○ Quality control of preparations for dialysis in an independent testing laboratory
 - 15 ○ Analytical procedure development and verification in a regulatory authority

16 EXP Working Party (Excipient performance)*17 Terms of reference*

- 18 • Drafting and maintaining the FRC (Functionality Related Characteristics) sections of
- 19 monographs on excipients to reflect current best practices, in consultation with the
- 20 appropriate Groups of Experts or Working Parties of the Ph. Eur.
- 21 • Review, where necessary, and maintenance of general chapter 5.15 FRCs of excipients to align
- 22 it with current regulatory guidance (e.g. ICH Q8 guideline)
- 23 • Drafting and maintenance of the text on co-processed excipients
- 24 • Review pharmacopoeial and other regulatory texts on general information on excipients with
- 25 a view to proposing necessary additions and updates, where relevant

26 Profile for experts

- 27 • Current expertise in analytical procedures (especially those included in the Ph. Eur. section 2.9.
- 28 Pharmaceutical technical procedures), related to control of excipients and in development of
- 29 such analytical procedures
- 30 • Several years of experience in one or more of the following fields:
 - 31 ○ Quality control of excipients in a bulk or pharmaceutical manufacturing setting
 - 32 ○ Pharmaceutical and excipient research and development
 - 33 ○ Assessment of the relevant parts of applications for marketing authorisation within a
 - 34 medicines agency
 - 35 ○ Development of analytical procedures for control of excipients, comprising those to
 - 36 determine excipient performance (FRCs) in a research and development environment
 - 37 ○ Pharmaceutical quality control in an independent testing laboratory

38 EXS Working Party (Excipient Strategy)*39 Terms of reference*

- 40 • Identify and discuss best possible approach(es) to address the quality and the standard setting
- 41 process of excipients for pharmaceutical use in the Ph. Eur. in view of making concrete
- 42 recommendations to the Ph. Eur. Commission.

1 This would include, but is not limited to:

- 2 ○ the typical structure and content of an individual monograph on such an excipient
- 3 ○ the evaluation of the need for optional test(s) depending on the possible uses of the
- 4 excipients (e.g. FRC section)
- 5 ○ the evaluation of the need for (a) specific technical guide(s)
- 6 ○ the review of terms of reference of groups of experts and working parties dealing with
- 7 such excipients (including repartition of tasks between groups and ways of working
- 8 between groups),
- 9 ○ The review of existing general monographs (such as Substances for pharmaceutical
- 10 use (2034)) to appropriately cover such excipients
- 11 ● Considering the recent example of *nitrites in excipients*, the specific challenges related to
- 12 setting specifications for excipients in the Ph. Eur., the discussion around impurities (to cite
- 13 some examples), propose appropriate control strategies for excipients and consequently,
- 14 approaches for elaboration and revision of Ph. Eur. Monographs (general or individual ones)
- 15 and/or general chapters for excipients for pharmaceutical use

16 *Profile for experts*

- 17 ● Ideally a representative (e. g. Chairs) of each group dealing with excipients (esp. groups 9, 13H
- 18 and CEL, CRB, EXP working party)
- 19 ● Current expertise in pharmaceutical analytical procedures, related to quality control of
- 20 excipients for pharmaceutical use and in development of such analytical procedures
- 21 ● Several years of experience with excipients in one or more of the following fields:
- 22 ○ Assessment of the relevant parts of applications for marketing authorisation within a
- 23 medicines agency
- 24 ○ Market surveillance testing
- 25 ○ Quality control or development of excipients for pharmaceutical use
- 26 ○ Development and verification of analytical procedures

27 The EXS WP may preferably be chaired by a member of the Ph. Eur. Commission.

28 **GLS Working Party (Glass Containers)**

29 *Terms of reference*

- 30 ● Drafting and revision of texts in the field of glass containers

31 *Profile for experts*

- 32 ● Current expertise in the production of glass containers, analytical procedures, related to
- 33 quality control of glass containers and in development of such analytical procedures
- 34 ● Access to laboratory facilities for verification and validation of analytical procedures proposed
- 35 for inclusion in general chapters
- 36 ● Several years of experience in one or more of the following fields:
- 37 ○ Quality control in a pharmaceutical manufacturing setting for control of glass
- 38 containers
- 39 ○ Production and/or quality control of glass containers in an industrial setting
- 40 ○ Market surveillance of quality in a regulatory authority
- 41 ○ Pharmaceutical quality control in an independent testing laboratory
- 42 ○ Development of analytical procedures for control of glass containers in a research and
- 43 development environment

1 **GTP Working Party (Gene Therapy Products)**

2 *Terms of reference*

- 3 • Drafting and revision of texts in the field of gene therapy medicinal products
- 4 • Maintaining regular exchanges to ensure coordination of approaches with the CTP Working
- 5 Party in relevant areas

6 *Profile for experts*

- 7 • Current expertise in analytical procedures related to development and quality control of gene
- 8 therapy products and in development of such analytical procedures
- 9 • Several years of experience in one or more of the following fields:
 - 10 ○ Development of gene therapy products
 - 11 ○ Quality control of gene therapy products in a pharmaceutical manufacturing setting
 - 12 or in a hospital environment
 - 13 ○ Assessment of applications for marketing authorisation of gene therapy products
 - 14 ○ Marketing surveillance of quality in a regulatory authority
 - 15 ○ Pharmaceutical quality control in an independent testing laboratory
 - 16 ○ Development of analytical procedures for control of gene therapy products in a
 - 17 research and development environment

18 **HM Working Party (Heavy metals)**

19 *Terms of reference*

- 20 • Drafting and revision of the general chapter 5.20 Elemental impurities. In this context,
- 21 identification of technical issues which need to be addressed by ICP working party such as
- 22 sample preparation and instrumental determination by *atomic emission spectrometry*,
- 23 *inductively coupled plasma - atomic emission spectrometry* and *inductively coupled plasma -*
- 24 *mass spectrometry* and which would require an update of the respective general methods.
- 25 • International harmonisation of chapter 2.4.20 (PDG item G-07)

26 *Profile for experts*

- 27 • Up-to-date substantial expertise in pharmaceutical analytical procedures, related to quality
- 28 control of active substances and excipients allowing a holistic view on the occurrence of metals
- 29 from either synthesis or contamination
- 30 • Several years of experience in one or more of the following fields:
 - 31 ○ Quality control in a pharmaceutical manufacturing setting
 - 32 ○ Quality control of synthetic and semi-synthetic organic products in a bulk
 - 33 manufacturing setting
 - 34 ○ Assessment of the relevant parts of applications for marketing authorisation within a
 - 35 medicines agency
 - 36 ○ Pharmaceutical quality control of active substances and /or excipients in an
 - 37 independent testing laboratory specialised in testing for metals as residues from
 - 38 synthesis or contaminants

39 **HMM Working Party (Homoeopathic Manufacturing Methods)**

40 *Terms of reference*

- 41 • Drafting and revision of monographs in the field of homoeopathic manufacturing methods

1 *Profile for experts*

- 2 • Knowledge of currently used homoeopathic manufacturing methods
- 3 • Several years of experience in one or more of the following fields:
- 4 ○ Assessment of application for marketing authorisation of homoeopathic products
- 5 within a medicines agency or equivalent
- 6 • Industry representatives are normally not appointed to the HMM Working Party. They may be
- 7 invited to contribute to elaboration of monographs during hearings organised on a case-by-
- 8 case basis by the Secretariat

9 **HOM Working Party (Homoeopathic Raw Materials and Stocks)**

10 *Terms of reference*

- 11 • Drafting and revision of texts in the field of homoeopathic raw materials and stocks

12 *Profile for experts*

- 13 • Current expertise in pharmaceutical analytical procedures, related to quality control of
- 14 homoeopathic raw materials and stocks and in development of such analytical procedures
- 15 • Access to laboratory facilities for verification and validation of analytical procedures proposed
- 16 for inclusion in monographs, **Essential:** Active involvement in laboratory verification of
- 17 analytical procedures and drafting of texts
- 18 • Several years of experience in one or more of the following fields:
- 19 ○ Quality control of homoeopathic raw materials and stocks in a pharmaceutical
- 20 manufacturing setting
- 21 ○ Assessment of applications for marketing authorisation of homoeopathic products
- 22 within an agency
- 23 ○ Quality control of homoeopathic raw materials and stocks in an independent testing
- 24 laboratory
- 25 ○ Development of analytical procedures for control of homoeopathic raw materials and
- 26 stocks in a research and development environment
- 27 ○ Analytical procedure development, and verification in a regulatory authority

28 **ICP Working Party (Inductively-Coupled Plasma)**

29 *Terms of reference*

- 30 • Drafting and revision of texts in the field of *atomic absorption spectrometry, atomic emission*
- 31 *spectrometry, inductively coupled plasma - atomic emission spectrometry and inductively*
- 32 *coupled plasma - mass spectrometry*

33 *Profile for experts*

- 34 • Current expertise in the development, and application of analytical procedures involving the
- 35 above mentioned techniques
- 36 • Several years of experience in one or more of the following fields:
- 37 ○ Quality control of herbal drugs, herbal drug preparations, synthetic, semi-synthetic,
- 38 natural origin, biological or biotechnological products in a pharmaceutical setting
- 39 ○ Quality control in a regulatory authority or an independent testing laboratory

1 **INH Working Party (Inhalations)**

2 *Terms of reference*

- 3 • Drafting and revision of monographs and general chapters in the field of preparations for
- 4 inhalation and nasal sprays or powders.
- 5 • International harmonisation of related general chapters

6 *Profile for experts*

- 7 • Current expertise in pharmaceutical analytical procedures, related to quality control of
- 8 preparations for inhalation and nasal sprays or powders and in development of such analytical
- 9 procedures
- 10 • Several years of experience in one or more of the following fields related to preparations for
- 11 inhalation and nasal sprays or powders:
 - 12 ○ Quality control in a pharmaceutical manufacturing setting
 - 13 ○ Market surveillance of quality in a regulatory authority
 - 14 ○ Assessment of applications for marketing authorisation within a medicines agency
 - 15 ○ Development of analytical procedures for control of such preparations in a research
 - 16 and development environment
 - 17 ○ Pharmaceutical quality control in an independent testing laboratory
 - 18 ○ Analytical procedure development and verification in a regulatory authority

19 **MAB Working Party (Monoclonal Antibodies)**

20 *Terms of reference:*

- 21 • To undertake a pilot phase to elaborate general methods for analysis of monoclonal antibodies
- 22 and individual monographs using the multisource approach (according to document
- 23 PA/PH/Exp. MAB/T (14) 1)
- 24 • Drafting and revision of texts in the field of monoclonal antibodies

25 *Profile for experts*

- 26 • Current expertise in pharmaceutical analytical procedures, related to quality control of
- 27 monoclonal antibodies and in development of such analytical procedures
- 28 • Access to laboratory facilities for verification and validation of analytical procedures proposed
- 29 for inclusion in monographs or access to licensing files. **Essential:** Active involvement in
- 30 laboratory verification of analytical procedures and drafting of texts
- 31 • Several years of experience in one or more of the following fields:
 - 32 ○ Quality control of monoclonal antibodies in a pharmaceutical manufacturing setting
 - 33 ○ Market surveillance of quality in a regulatory authority
 - 34 ○ Assessment of applications for marketing authorisation of monoclonal antibodies
 - 35 within an agency
 - 36 ○ Development of analytical procedures for control of monoclonal antibodies in a
 - 37 research and development environment
 - 38 ○ Pharmaceutical quality control in an independent testing laboratory

39 **MG Working Party (General methods)**

40 *Terms of reference*

- 41 • Drafting and revision of general chapters, particularly in the field of chemical and physico-
- 42 chemical analysis.

- 1 • If needed, requests the nomination of ad hoc specialists to create sub-groups for specific
- 2 general chapters on the work programme, and management of the activities for the
- 3 elaboration or revision of these general chapters within the sub-groups.
- 4 • Co-operation with other groups of experts and working parties which are in charge of
- 5 elaboration and revision of general chapters where relevant.
- 6 • Maintenance of template for general methods

7 *Profile for experts*

- 8 • Members of a regulatory authority, universities or the pharmaceutical/chemical industries
- 9 • Current expertise and extensive knowledge in pharmacopoeial procedures and/or instruments
- 10 used in the quality control of active substances, excipients and/or medicinal products and in
- 11 development of analytical procedures
- 12 • Several years of experience in one or more of the following fields:
 - 13 ○ Analytical procedure development and verification in e.g. analytical or pharmaceutical
 - 14 development, a regulatory authority, or testing laboratory
 - 15 ○ Quality control of active substances, excipients and/or medicinal products
 - 16 ○ Market surveillance of quality of medicinal products in a regulatory authority
 - 17 ○ Assessment of the relevant parts of applications for marketing authorisation within a
 - 18 medicines agency

19 **mRNAVAC Working Party (mRNA Vaccines for human use)**

20 *Terms of reference*

- 21 • Drafting and revision of texts in the field of mRNA vaccines for human use

22 *Profile for experts*

- 23 • Current expertise in analytical procedures related to the quality control of mRNA vaccines for
- 24 human use, their components and their formulation
- 25 • Significant experience in one or more of the following fields:
 - 26 ○ Quality control of mRNA vaccines for human use and their components in a
 - 27 pharmaceutical manufacturing setting
 - 28 ○ Quality control/batch release/market surveillance of mRNA vaccines for human use
 - 29 and their components in an independent testing laboratory (e.g. OMCL)
 - 30 ○ Pharmaceutical development related to the formulation of mRNA vaccines for human
 - 31 use
 - 32 ○ Analytical development related to mRNA vaccines for human use and their
 - 33 components
 - 34 ○ Assessment of the relevant parts of applications for marketing authorisation within a
 - 35 medicines agency

36 **MYC Working Party (Mycoplasma)**

37 *Terms of reference*

- 38 • Revision of general chapter 2.6.7 *Mycoplasmas* in order to update it with the current practices
- 39 in the field of mycoplasma testing

40 *Profile for experts*

- 41 • Current expertise in mycoplasma testing of medicinal products and in development of
- 42 analytical procedures

- 1 • Access to laboratory facilities for verification and validation of analytical procedures proposed
2 for inclusion in monographs,
3 • Several years of experience in one or more of the following fields:
4 ○ Mycoplasma testing in a pharmaceutical manufacturing setting
5 ○ Mycoplasma testing in an official control laboratory for medicines
6 ○ Mycoplasma testing in an independent testing laboratory
7 ○ Development of analytical procedures for mycoplasmas in a research and
8 development environment

9 **NBC Working Party (Non-Biological Complex Drugs)**

10 *Terms of reference*

- 11 • Elaboration and revision of monographs on non-biological complex drugs (e.g. nanoparticle
12 dispersions, like for example iron sucrose concentrated solution)

13 *Profile for experts*

- 14 • Current expertise in the development and/or quality control of non-biological complex drugs
15 and in development of such analytical procedures
16 • Access to laboratory facilities for verification and validation of analytical procedures proposed
17 for inclusion in monographs, **Essential:** Active involvement in laboratory verification of
18 analytical procedures and drafting of texts.
19 • Several years of experience in one or more of the following fields:
20 ○ Quality control in a pharmaceutical manufacturing setting or in an independent testing
21 laboratory (e.g. Market surveillance of quality in a regulatory authority)
22 ○ Pharmaceutical and/or analytical development related to respective formulations
23 ○ Assessment of the relevant parts of applications for marketing authorisation within a
24 medicines agency

25 **P4BIO Working Party (P4 Bio)**

26 *Terms of reference*

- 27 • Drafting and revision of monographs in the field of single-source biologicals

28 *Profile for experts*

- 29 • Group P4Bio is restricted to regulators from Ph. Eur. Member states however industry
30 representatives may be invited to contribute by submission of data and interaction with the
31 group via the Secretariat
32 • Current expertise in pharmaceutical analytical procedures, related to quality control of
33 biologicals and in development of such analytical procedures
34 • Access to laboratory facilities for verification and validation of analytical procedures proposed
35 for inclusion in monographs or access to licensing files (essentially originating from CAP),
36 **Essential:** Active involvement in laboratory verification of analytical procedures and drafting
37 of texts and
38 • Several years of experience in one or more of the following fields:
39 ○ Quality control in a regulatory authority
40 ○ Assessment of the relevant parts (biologicals) of applications for marketing
41 authorisation
42 ○ Market surveillance of quality in a regulatory authority

1 **PaedF Working Party (European Paediatric Formulary)**

2 *Terms of reference*

- 3 • Elaboration, and revision of monographs on paediatric preparations according to criteria and
- 4 guidelines approved by the CD-P-PH
- 5 • Establishment and maintenance of a Technical Guide for the elaboration and maintenance of
- 6 monographs on paediatric preparations

7 *Profile for experts*

- 8 • Current expertise in development and production of paediatric preparations (including
- 9 toxicologists)
- 10 • Current expertise in analytical procedures related to quality control of ingredients (APIs and
- 11 excipients) and preparations and in the development of such preparations and analytical
- 12 procedures; Access to laboratory facilities for verification of production methods and
- 13 analytical procedures proposed for inclusion in monographs
- 14 • Current expertise in clinical/pharmacological treatment of several paediatric age groups
- 15 • Several years of experience in one or more of the following fields:
 - 16 ○ Pharmaceutical development and/or manufacturing of paediatric preparations (in a
 - 17 community or hospital pharmacy, research unit, or in pharmaceutical industry)
 - 18 ○ Analytical procedure development and verification of medicinal preparations in a
 - 19 pharmaceutical manufacturing setting (including research and development), in a
 - 20 regulatory authority, in a community or hospital pharmacy or in an independent
 - 21 testing laboratory
 - 22 ○ Market surveillance of quality in a regulatory authority
 - 23 ○ Assessment of the relevant parts of applications for marketing authorisation of
 - 24 paediatric medicinal products (including safety assessment)
 - 25 ○ Elaboration/assessment of monographs for national (paediatric) formularies
 - 26 ○ Clinical/pharmacological treatment of children belonging to several age groups

27 **PAT Working Party (Process Analytical Technology)**

28 *Terms of reference*

- 29 • Review and revision of existing general monographs and chapters in view of needs arising from
- 30 Process Analytical Technology (PAT), Continuous Manufacturing (CM), Real Time release
- 31 testing (RTRT) or Quality by Design (QbD) concepts
- 32 • Identify and discuss the implication of the above mentioned concepts on the texts of European
- 33 Pharmacopoeia and make proposals to the Commission where needed
- 34 • Support and advise other group of experts and working parties where elements of the above
- 35 mentioned concepts are concerned.

36 *Profile for experts*

- 37 • Expertise in chemical or pharmaceutical development and analytical procedures applied
- 38 during manufacture and to active substances or finished pharmaceutical preparations
- 39 • Several years of experience in one or more of the following fields

- 1 ○ Development of pharmaceutical preparations using PAT, CM, RTRT or QbD concepts
- 2 in an industrial setting
- 3 ○ Assessment of the relevant parts of applications for marketing authorisation
- 4 containing PAT, CM, RTRT or QbD concepts within a medicines agency
- 5 ○ Development of control strategies including PAT, CM, RTRT or QbD concepts
- 6 approaches for testing of active substances or pharmaceutical preparations
- 7 ○ Development of pharmaceutical preparations using modelling and chemometrics
- 8 associated with the analytical aspects for PAT

9 **POW Working Party (Powder Characterisation)**

10 *Terms of reference*

- 11 • Drafting and revision of general chapters in the field of powder characterisation techniques
- 12 • International harmonisation of general chapters

13 *Profile for experts*

- 14 • Current expertise in analytical procedures for powder characterisation, related to quality
- 15 control of active substances and excipients and in development of such analytical procedures
- 16 • Several years of experience in one or more of the following fields:
 - 17 ○ Quality control of active substances and excipients in a pharmaceutical manufacturing
 - 18 setting
 - 19 ○ Assessment of the relevant parts of applications for marketing authorisation
 - 20 ○ Market surveillance of quality in a regulatory authority
 - 21 ○ Development of analytical procedures for characterisation of powders in a research
 - 22 and development environment
 - 23 ○ Pharmaceutical quality control in an independent testing laboratory

24 **PRP Working Party (Precursors for Radiopharmaceutical Preparations)**

25 *Terms of reference*

- 26 • Drafting and revision of texts in the field of non-radioactive precursors for
- 27 radiopharmaceutical preparations

28 *Profile for experts*

- 29 • Expertise in chemical, pharmaceutical and radiopharmaceutical analytical procedures, related
- 30 to quality control of radiopharmaceutical preparations and their precursors
- 31 • Access to laboratory facilities for verification and validation of analytical procedures proposed
- 32 for inclusion in monographs. **Essential:** Active involvement in laboratory verification of
- 33 analytical procedures and drafting of texts
- 34 • Several years of experience in one or more of the following fields:
 - 35 ○ Quality control of radiopharmaceutical preparations and their precursors
 - 36 ○ Quality control of synthetic organic and/or inorganic products in a chemical or
 - 37 pharmaceutical setting
 - 38 ○ Quality control in an independent testing laboratory
 - 39 ○ Development of analytical procedures for the control of radiopharmaceutical
 - 40 preparations and their precursors

41 **ROP Working Party (Rules of Procedure)**

42 *Terms of reference*

43 Addressing the following topic:

- 1 • Handling of official Ph. Eur. documents, information and data
- 2 • Implication of the EU General Data Protection Regulation (GDPR) on the Ph. Eur. code of
- 3 practice and provision of contact details (incl. handbook)
- 4 • Pilot Projects and pilot phase: clarification of definition, process, criteria
- 5 • Review of the re-nomination process of members of Groups of Experts and Working Parties
- 6 • Post COVID-19 – Digital Transformation: opportunities for adjustment of working methods
- 7 (e.g. establishment of electronic workflows, organisation of visio-conferences and webinars)

8 As the impact on the Rules of Procedure, on the Guide for work of the European Pharmacopoeia and
9 on the Code of practice is not known yet, the work is carried out in two steps:

- 10 • The first step includes for each of the points highlighted above,
 - 11 a. To clarify the remit or scope,
 - 12 b. To agree on the expected / wished outcome
 - 13 c. To assess the impact on the documents mentioned above (i.e. which section of which
 - 14 document)
 - 15 d. To report back to the Commission for the latter to decide to move to step 2 or not
- 16 • If the Commission agrees to move to step 2, the ROP WP would revise the impacted documents
- 17 i.e. the Rules of Procedure and/or the Guide for work of the European Pharmacopoeia and/or
- 18 the Code of Practice according to the decision taken by the Commission after step 1.

19 In addition to the above:

- 20 • Make concrete recommendations on the (de)classification of documents distributed by the
- 21 European Pharmacopoeia Department in the framework of the Ph. Eur. (e.g. in the form of a
- 22 guide) for approval by the Commission
- 23 • Support the implementation of the revised Rules of Procedure, Guide for work and Code of
- 24 Practice (eg in form of powerpoint presentations, webinars or any other mean deemed
- 25 appropriate by the ROP WP members to ensure consistent and appropriate dissemination of
- 26 the information provided and changes made as well as their application)

27 *Profile for experts*

- 28 • Members of national pharmacopoeia authorities of a Ph. Eur. Member state or delegations to
- 29 the Commission.

30 The ROP WP is chaired by the Chair of the Ph. Eur. Commission.

31 **SDA Working Party (Spectroscopy and Data Analysis)**

32 *Terms of reference*

- 33 • Drafting and revision of general chapters in the fields of:
 - 34 ○ Measurement techniques relying on spectroscopy, with the exception of specific
 - 35 spectroscopic techniques where the drafting and revision of general chapters is
 - 36 allocated to other, more specialised groups of experts and working parties.
 - 37 ○ Chemical imaging techniques, e.g. spectral and multispectral imaging, electron
 - 38 microscopy, field effect and atomic force microscopies, optical and X-ray tomography,
 - 39 etc.
 - 40 ○ Chemometrics and data sciences techniques relying on multivariate data analysis,
 - 41 numerical methods, algorithmics, data modelling, data mining, artificial intelligence,
 - 42 etc., and image analysis techniques.
- 43 • to support and advise other group of experts and working parties where elements of the above
- 44 mentioned measurement and data analysis techniques are concerned and where relevant.

1 *Profile for experts*

- 2 • Current expertise in spectroscopy related to quality control of active substances, excipients or
3 medicinal products, in development of analytical procedures.
- 4 • Ideally, access to laboratory facilities for verification and validation of analytical procedures
5 proposed for inclusion in general chapters and monographs
- 6 • Several years of experience in one or more of the following fields:
 - 7 ○ Use of spectroscopic techniques for pharmaceutical quality control in a pharmaceutical
8 manufacturing setting, a regulatory authority or an independent testing laboratory.
 - 9 ○ Development of pharmaceutical in-, on-, or at-line analytical procedures using
10 spectroscopic or imaging techniques or chemometrics and data analysis, in a research
11 and development environment.
 - 12 ○ Assessment of applications for marketing authorisation.
 - 13 ○ Use of spectroscopic techniques for the market surveillance of the quality of
14 pharmaceutical substances or medicinal products.

15 **SIT Working Party (Second identification test)**

16 *Terms of reference*

- 17 • To support and advise the Commission, Groups of Experts or Working Parties on
18 revision/suppression of existing identification series, notably arising from the REACH
19 regulation, where relevant.
20 Propose to the Commission further items for the work programme (such as monographs with
21 missing second identification or the replacement of identification tests not in line with the
22 instrumentation available in pharmacies)

23 *Profile for experts*

- 24 • Pharmacists regularly involved in preparation of extemporaneous or stock preparation of
25 medicinal products in community pharmacies or hospitals as well as in the analysis of the
26 pharmaceutical substances used
- 27 • Pharmacists or chemists with special interest/expertise in analytical techniques commonly
28 available in pharmacies
- 29 • Members of a regulatory authority
- 30 • Access to laboratory facilities for verification of analytical procedures proposed for inclusion
31 in monographs

32 **ST Working Party (Standard Terms)**

33 *Terms of reference*

- 34 • Development of standard terms and definitions for the Standard Terms database for dosage
35 forms, units of presentation, routes of administration, packaging and related terms at the
36 request of Competent authorities of Member States and certain non-member states (e.g.
37 competent authority members of ICH), the European Commission or the EMA.

38 *Profile for experts*

- 39 • Current expertise in pharmaceutical dosage forms
- 40 • Several years of experience in one or more of the following fields:
 - 41 ○ Assessment of the pharmaceutical development part of applications for authorisation
42 of medicinal products
 - 43 ○ Development of general monographs for dosage forms (group of experts or national
44 pharmacopoeia secretariat)

- 1 ○ Experience in formulation of medicinal products
- 2 • Members of the working party may be from a regulatory authority or universities

3 **SUT Working Party (Sutures)**

4 *Terms of reference*

- 5 • Drafting and revision of texts in the field of sutures

6 *Profile for experts*

- 7 • Expertise in pharmaceutical analytical procedures, related to quality control of sutures and in
- 8 development of such analytical procedures
- 9 • Several years of experience in one or more of the following fields:
- 10 ○ Quality control of sutures
- 11 ○ Development of analytical procedures for control of sutures

12 **TCM Working Party (Traditional Chinese Medicines)**

13 *Terms of reference*

- 14 • Drafting and revision of texts in the field of herbal drugs and herbal drug preparations
- 15 preferably based on the principle of adapting/improving existing monographs or analytical
- 16 procedures to control herbal drugs used in Traditional Chinese Medicines (TCM)
- 17 • Drafting general chapters related to the specific needs of TCM herbal drugs

18 *Profile for experts*

- 19 • Current expertise in pharmaceutical analytical procedures, related to quality control of herbal
- 20 drugs and herbal drug preparations and in development of such analytical procedures
- 21 • Access to laboratory facilities for verification and validation of analytical procedures proposed
- 22 for inclusion in monographs
- 23 • Several years of experience in one or more of the following fields:
- 24 ○ Quality control of herbal drugs/herbal drug preparations in a manufacturing setting
- 25 ○ Pharmaceutical quality control of herbal drugs and herbal drug preparations in an
- 26 independent testing laboratory
- 27 ○ Development and validation of analytical procedures for control of herbal drugs
- 28 ○ Involvement in market surveillance or regulatory oversight of imported TCM herbal
- 29 drugs
- 30 • **Essential:** Active involvement in laboratory verification of analytical procedures for TCM herbal
- 31 drugs and in drafting of texts.
- 32 • Development and validation of analytical procedures for identification and/or quantification
- 33 of herbal drug constituents based on chromatographic separation techniques (HPLC, GC,
- 34 HPTLC)
- 35 • Knowledge in cultivation, harvesting, processing and use of TCM herbal drugs

36 **VIT Working Party (Vitamins)**

37 *Terms of reference*

- 38 • Drafting and revision of monographs in the field of vitamins and vitamin derivatives

1 *Profile for experts*

- 2 • Current expertise in pharmaceutical analytical procedures, related to quality control of
3 vitamins and excipients and in development of such analytical procedures. *The need of a*
4 *specialist for vitamin D type substances is highlighted*
- 5 • Access to laboratory facilities for verification and validation of analytical procedures proposed
6 for inclusion in monographs, **Essential:** Active involvement in laboratory verification of
7 analytical procedures and drafting of texts.
- 8 • Several years of experience in one or more of the following fields:
 - 9 ○ Quality control of vitamins in a pharmaceutical or bulk manufacturing setting
 - 10 ○ Market surveillance of quality in an official control laboratory for medicines
 - 11 ○ Pharmaceutical quality control in an independent testing laboratory
 - 12 ○ Development of analytical procedures for control of vitamins in a research and
13 development environment
 - 14 ○ Analytical procedure development and verification in a national pharmacopoeia
15 laboratory

16 **WAT Working Party (Water)**17 *Terms of reference*

- 18 • Drafting and revision of texts in the field of water
- 19 • International harmonisation of relevant texts

20 *Profile for experts*

- 21 • Current expertise in analytical procedures applicable to water analysis and in development of
22 such analytical procedures
 - 23 • Several years of experience in one or more of the following fields:
 - 24 ○ Quality control of water in a pharmaceutical manufacturing setting
 - 25 ○ Inspection of manufacturing sites
 - 26 ○ Pharmaceutical quality control in an independent testing laboratory
 - 27 ○ Development of analytical procedures for control of pharmaceutical waters in a
28 research and development environment
- 29

**TERMS OF REFERENCE AND PROFILE FOR MEMBERS OF
“DORMANT” WORKING PARTIES:**

Once a working party has finalised its work programme i.e. the text(s) elaborated or revised by the working party has(have) been adopted by the Commission, the mandate of the working party can be extended as the support and advice of Pharmacopoeia members may still be needed e.g. by other Ph. Eur. groups or by the Secretariat to answer to questions users may rise when implementing the texts for example. The task of this working party will mainly consist in answering to enquiries, questions sent via the Secretariat i.e. by correspondence. The terms of reference of these working parties are described accordingly.

CND Working Party (Conductivity)

Terms of reference

- To provide support and advice in case of questions raised by e.g. users related to the PDG harmonised general chapter 2.2.38 *Conductivity*

Profile for experts

- Current expertise in conductivity measurement
- Several years of experience in one or more of the following fields:
 - Quality control using conductivity measurement in a pharmaceutical manufacturing setting
 - Market surveillance of quality using conductivity measurement in a regulatory authority
 - Conductivity measurement for pharmaceutical analysis in an independent testing laboratory
 - Conductivity measurement in a regulatory authority
 - Development of analytical procedures for conductivity measurement in a research and development environment

CRP Working party (Production and compounding of radiopharmaceutical preparations)

Terms of reference

- To provide support and advice in case of questions raised in the field of production and compounding of radiopharmaceutical preparations (especially chapter 5.19 *Extemporaneous preparation of radiopharmaceuticals*).

Profile for experts

- Knowledge of the current legal framework for the preparation or compounding of radiopharmaceuticals and quality control of such preparations, or experience in the licensing of such preparations
- Several years of experience in the field of manufacture and quality control of radiopharmaceutical preparations and their starting materials in a pharmaceutical industry setting; in a PET centre or in a hospital

EXT Working Party (Extracts)

Terms of reference

- To provide support and advice in case of questions raised by e.g. users in the field of Herbal drug extracts

1 *Profile for experts*

- 2 • Several years of experience in one or more of the following fields:
- 3 ○ Assessment of the relevant parts of applications for marketing authorisation of herbal
- 4 medicinal products within a medicines agency
- 5 ○ Production or quality control of extracts for further use in herbal medicinal products
- 6 ○ Production or quality control of herbal medicinal products containing extracts

7 **GEL Working Party (Gelatin)**

8 *Terms of reference*

- 9 • To provide support and advice in case of questions raised by e.g. users in the field of gelatin

10 *Profile for experts:*

- 11 • Current expertise in pharmaceutical analytical procedures, related to quality control of gelatin
- 12 and in development of such analytical procedures
- 13 • Access to laboratory facilities for verification and validation of analytical procedures proposed
- 14 for inclusion in monographs, **Essential:** Active involvement in laboratory verification of
- 15 analytical procedures and drafting of texts.
- 16 • Several years of experience in one or more of the following fields:
- 17 ○ Quality control in a pharmaceutical or bulk manufacturing setting (gelatin or use of
- 18 gelatin)
- 19 ○ Market surveillance of quality in a regulatory authority
- 20 ○ Pharmaceutical quality control in an independent testing laboratory
- 21 ○ Analytical procedure development and verification in a regulatory authority
- 22 ○ Development of pharmaceutical analytical procedures using near infrared
- 23 spectroscopy for gelatin identification

24 **HCP Working Party (Host-Cell Proteins)**

25 *Terms of reference*

- 26 • To provide support and advice in case of questions raised by e.g. users related to the Chapter
- 27 on Host Cell Protein Assays (2.6.34) and propose potential revision of the chapter after
- 28 evaluation of its implementation

29 *Profile for experts*

- 30 • Current expertise in analytical procedures and testing strategies related to quality control of
- 31 residual levels of host-cell proteins (including proteomic approaches)
- 32 • Several years of experience in one or more of the following fields:
- 33 ○ Quality control of recombinant proteins
- 34 ○ Development and validation of manufacturing and purification processes for
- 35 recombinant proteins
- 36 ○ Development and validation of in-house analytical procedures for host-cell protein
- 37 detection and quantification
- 38 ○ Validation of commercial generic kits for a given protein and process
- 39 ○ Assessment of the relevant parts of applications for marketing authorisations within a
- 40 medicines agency

1 **HFA Working Party (Propellant Gases)**

2 *Terms of reference*

- 3 • To provide support and advice in case of questions raised by e.g. users in the field of propellant
- 4 gases

5 *Profile for experts:*

- 6 • Current expertise in pharmaceutical analytical procedures , related to quality control of
- 7 propellant gases and in development of such analytical procedures
- 8 • Several years of experience in one or more of the following fields:
 - 9 ○ Quality control of propellant gases in a pharmaceutical or bulk manufacturing setting
 - 10 ○ Assessment of the relevant parts of applications for marketing authorisation of
 - 11 medicinal products containing propellant gases
 - 12 ○ Market surveillance of quality in a regulatory authority
 - 13 ○ Pharmaceutical quality control in an independent testing laboratory
 - 14 ○ Development of analytical procedures for control of propellant gases in a research and
 - 15 development environment

16 **LBP Working Party (Live Biotherapeutic Products)**

17 *Terms of reference*

- 18 • To provide support and advice in case of questions raised by e.g. users related to Live
- 19 Biotherapeutic Products

20 *Profile for experts*

- 21 • Current expertise in the development, production and/or quality control of Live
- 22 Biotherapeutic Products
- 23 • Several years of experience in one or more of the following fields:
 - 24 ○ development of Live Biotherapeutic Products
 - 25 ○ production of Live Biotherapeutic Products
 - 26 ○ assessment of applications for licensing of Live Biotherapeutic Products
 - 27 ○ micro-organism strain selection and batch production
 - 28 ○ microbiological techniques, molecular techniques applied to microbiology

29 **LEC Working Party (Lecithins)**

30 *Terms of reference*

- 31 • To provide support and advice in case of questions raised by e.g. users in the field of lecithins

32 *Profile for experts*

- 33 • Current expertise in pharmaceutical analytical procedures, related to quality control of
- 34 lecithins and in development of such analytical procedures
- 35 • Access to laboratory facilities for verification and validation of analytical procedures proposed
- 36 for inclusion in monographs, **Essential:** Active involvement in laboratory verification of
- 37 analytical procedures and drafting of texts
- 38 • Several years of experience in one or more of the following fields:
 - 39 ○ Quality control of lecithins in a pharmaceutical or bulk manufacturing setting
 - 40 ○ Market surveillance of quality in a regulatory authority
 - 41 ○ Pharmaceutical quality control in an independent testing laboratory

- 1 ○ Development of analytical procedures for control of lecithins in a research and
- 2 development environment
- 3 ○ Analytical procedure development and verification in a regulatory authority

4 **MQH Working Party (Microbiological Quality of Herbal Drugs)**

5 *Terms of reference*

- 6 • To provide support and advice in case of questions raised by e.g. users and related to
- 7 recommendations on microbiological quality of herbal drugs and herbal drug preparations
- 8 • Advising the Commission and its groups on acceptance criteria for microbiological criteria to
- 9 be included in monographs

10 *Profile for experts:*

- 11 • Current expertise in pharmaceutical analytical procedures, related to microbiological quality
- 12 control of active substances and excipients and in development of such analytical procedures
- 13 • Several years of experience in one or more of the following fields:
- 14 ○ Microbiological quality control in a pharmaceutical or bulk manufacturing setting
- 15 ○ Market surveillance of quality in a regulatory authority
- 16 ○ Assessment of applications for marketing authorisation of herbal drugs and herbal
- 17 drug preparations within an agency
- 18 ○ Development of microbiological analytical procedures for control of herbal drugs and
- 19 herbal drug preparations in a research and development environment
- 20 ○ Pharmaceutical quality control in an independent testing laboratory
- 21 ○ Analytical procedure development and verification in a regulatory authority

22 **MSL Working Party (Mesitates)**

23 *Terms of reference*

- 24 • To provide support and advice in case of questions raised related to general methods drafted
- 25 by the working party i.e. 2.5.37. *Methyl, ethyl and isopropyl methanesulfonate in*
- 26 *methanesulfonic acid, 2.5.38. Methyl, ethyl and isopropyl methanesulfonate in active*
- 27 *substances, 2.5.39. Methanesulfonyl chloride in methanesulfonic acid, 2.5.40. Methyl, ethyl*
- 28 *and isopropyl toluenesulfonate in active substances, 2.5.41 Methyl, ethyl and isopropyl*
- 29 *benzenesulfonate in active substances*

30 *Profile for experts*

- 31 • Current expertise in pharmaceutical analytical procedures, related to quality control of starting
- 32 materials
- 33 • Access to laboratory facilities (including “hyphenated” techniques (LC-MS, GC-MS, etc.) for
- 34 verification and validation of analytical procedures proposed for inclusion in monographs
- 35 • Several years of experience in one or more of the following fields:
- 36 ○ Quality control in a pharmaceutical manufacturing setting
- 37 ○ Quality control of starting materials for synthetic and semi-synthetic organic products
- 38 in a bulk manufacturing setting
- 39 ○ Quality control using “hyphenated” techniques (LC-MS, GC-MS, etc.)
- 40 ○ Market surveillance of quality in a regulatory authority
- 41 ○ Quality control of starting materials in an independent testing laboratory
- 42 ○ Development of analytical procedures for control of starting materials in a research
- 43 and development environment

- 1 ○ Analytical procedure development and verification in a regulatory authority

2 **NMR Working Party (Nuclear Magnetic Resonance Spectrometry)**

3 *Terms of reference*

- 4 • To provide support and advice in case of questions raised by e.g. users in the field of nuclear
5 magnetic resonance spectrometry

6 *Profile for experts:*

- 7 • Current expertise in NMR, related to quality control of active substances and excipients and in
8 development of analytical procedures using NMR

- 9 • Several years of experience in one or more of the following fields:

- 10 ○ Quality control using NMR in a pharmaceutical or bulk manufacturing setting
11 ○ Market surveillance of quality in a regulatory authority
12 ○ Pharmaceutical quality control in an independent testing laboratory
13 ○ Development of pharmaceutical analytical procedures using NMR in a research and
14 development environment

15 **PA Working Party (Pyrrolizidine alkaloids)**

16 *Terms of reference*

- 17 • To provide support and advice in case of questions raised by e.g. users in the field of
18 Pyrrolizidine alkaloids.

19 *Profile for experts*

- 20 • Current expertise in PA analysis, related to quality control of herbal drugs and in development
21 of analytical procedures.

- 22 • Access to laboratory facilities for quality control. Essential: active involvement in laboratory
23 verification of analytical procedures and drafting of texts

- 24 • Several years of experience in one or more of the following fields:

- 25 ○ Quality control of herbals in a pharmaceutical or bulk manufacturing setting, in a
26 regulatory authority or in any other specialised testing laboratory;
27 ○ Development and/or lab verification of analytical procedures for control of
28 pyrrolizidine alkaloids in a research and development environment or in a regulatory
29 authority.

30 **PHP Working Party (Pharmaceutical Preparations (general monograph))**

31 *Terms of reference*

- 32 • To support and advise Commission, Groups of Experts or Working Parties on revisions of the
33 general monograph Pharmaceutical Preparations, as needed. Such a need may arise e.g. from
34 changed requirements or from the need to replace repetitive references in monographs by a
35 centrally listed requirement in the general monograph Pharmaceutical Preparations.

36 *Profile for experts*

- 37 • Extensive knowledge of pharmaceutical development and quality control of medicinal
38 products (licensed or unlicensed)

- 39 • Extensive knowledge of regulatory requirements and guidelines for medicinal products

- 40 • Several years of experience in one or more of the following fields:

- 1 ○ Pharmaceutical development and quality control of medicinal products (licensed or
- 2 unlicensed)
- 3 ○ Assessment of the relevant parts of marketing authorisation applications in a
- 4 medicines agency
- 5 ○ Development of analytical procedures for testing of pharmaceutical preparations in a
- 6 research and development environment, in a hospital or in a small-scale production
- 7 setting
- 8 ○ Market surveillance of pharmaceutical preparations in a regulatory authority
- 9 ○ Inspection of retail or hospital pharmacies or of pharmaceutical companies

10 **PST Working Party (Pesticide Residues)**

11 *Terms of reference*

- 12 • To provide support and advice in case of questions raised by e.g. users in the field of Pesticide
- 13 residues

14 *Profile for experts*

- 15 • Current expertise in pesticide analysis, related to quality control of active substances and
- 16 excipients and in development of such analytical procedures
- 17 • Access to laboratory facilities for verification and validation of analytical procedures proposed
- 18 for inclusion in monographs
- 19 • Several years of experience in one or more of the following fields:
 - 20 ○ Quality control for pesticide residues in herbals in a pharmaceutical or bulk
 - 21 manufacturing setting
 - 22 ○ Market surveillance of quality in a regulatory authority
 - 23 ○ Pharmaceutical quality control in an independent testing laboratory
 - 24 ○ Development of analytical procedures for pesticide residues in a research and
 - 25 development environment

26 **RCG Working Party (Raw Materials for the production of Cellular and gene transfer products)**

27 *Terms of reference*

- 28 • To provide support and advice in case of questions raised by e.g. users related to the general
- 29 chapter on *Raw materials of biological origin for the production of cell-based and gene therapy*
- 30 *medicinal products (5.2.12)* and propose potential revision of the chapter after evaluation of
- 31 its implementation

32 *Profile for experts*

- 33 • Current expertise in the development and/or quality control of cellular and gene transfer
- 34 products and in development of analytical procedures for the control of these products
- 35 • Several years of experience in one or more of the following fields:
 - 36 ○ Development of cell and/or gene transfer products or raw materials used for their
 - 37 production
 - 38 ○ Development of cell culture methods/media
 - 39 ○ Assessment of applications for clinical trials and/or for marketing authorisations of cell
 - 40 and/or gene transfer products

1 **SRP Working Party (Special Revision Programme)**

2 *Terms of reference*

- 3 • To provide support and advice in case of questions raised by e.g. users related to the revision
- 4 of the related substances tests and limits in monographs in the field of active substances

5 *Profile for experts*

- 6 • Current expertise in pharmaceutical analytical procedures, related to quality control of active
- 7 substances and excipients and in development of such analytical procedures
- 8 • Access to relevant parts (chemistry of the active substance) of marketing authorisation
- 9 dossiers in order to judge the revision proposals
- 10 • Several years of experience in one or more of the following fields:
 - 11 ○ Scientific coordination in a regulatory authority such as a National Pharmacopoeia
 - 12 Authority
 - 13 ○ Assessment of the relevant parts (chemistry of the active substance) of applications
 - 14 for marketing authorisation
 - 15 ○ Market surveillance of quality in a regulatory authority
 - 16 ○ Analytical procedure development and verification in a regulatory authority
- 17 • Industry representatives are not appointed to the SRP Working Party; they contribute by
- 18 submission of data and interaction with the group via the Secretariat.

19 **STA Working Party (Statistics)**

20 *Terms of reference*

- 21 • To provide support and advice in case of questions raised by e.g. users in the field of statistical
- 22 analysis

23 *Profile for experts*

- 24 • Current expertise in statistical analysis, related to quality control of active substances,
- 25 excipients and medicinal products
- 26 • Several years of experience in one or more of the following fields:
 - 27 ○ Statistical analysis of results of analytical procedures used for quality control in a
 - 28 pharmaceutical manufacturing setting
 - 29 ○ Development of statistical methods applied in pharmaceutical analysis

30 **WXT Working Party (Water for Extracts)**

31 *Terms of reference*

- 32 • To provide support and advice in case of questions raised by e.g. users in the field of water for
- 33 the preparation of extracts

34 *Profile for experts:*

- 35 • Current expertise in analytical procedures for water analysis, related to the water used for
- 36 preparation of extracts
- 37 • Several years of experience in one or more of the following fields:
 - 38 ○ Quality control of water used for the preparation of extracts in a pharmaceutical
 - 39 manufacturing setting
 - 40 ○ Assessment of the relevant parts of applications for marketing authorisation of
 - 41 extracts
 - 42 ○ Pharmaceutical quality control in an independent testing laboratory

- 1 ⊖ Development of analytical procedures for control of water in a research and
- 2 development environment